Procurement of Wo 548/23.12.2013

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Name of Work:- Annual Maintainence of UGD in Ward no-12 in S.S.D. | | | | | | |
| | Agency:- G. Venkatesh (Mahendra Engineering Works) | | | | | | |
| | WO:- No EE\|DD\|WO\|75\|13-14 D:- 22\|7\|13. | | | | | | |
| | JC:- 012-13-000006. | | | | | | |
| | Premeasurement recorded on. 5\|9\|2018. | | | | | | |
| 1 | Earth work excavation for foundation of buildings, water | | | | | | |
| | Railway parallel | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | Road to pst cross | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | Geleyara balaga. | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | For DUD | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |

## M.A.R. 57 (Rule 116)

Measurement Book No. C/09 163460

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |
| | | 1 | 38.0 | 0.70 | 1.30 | = 34.58 cum | |
| | Abbigere Govt primary School. | 1 | 50.0 | 0.70 | 1.30 | = 45.50 cum | |

## MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | 1 × 50.0 | × 0.70 | × 1.30 | | = 45.50 cum | |
| | | 1 × 50.0 | × 0.70 | × 1.30 | | = 45.50 cum | |
| | | 1 × 42.0 | × 0.70 | × 1.30 | | = 38.22 cum | |
| | | 1 × 36.0 | × 0.70 | × 1.30 | | = 32.76 cum | |
| | | 1 × 18.0 | × 0.70 | × 1.30 | | = 16.38 cum | |
| | | 1 × 24.0 | × 0.70 | × 1.30 | | = 21.84 cum | |
| | | | | | | 1008.28 cum | |
| | Earth work for Manhole. | 28 × | $\frac{3.142 \times (1.2)^2}{4}$ | × 1.50 | | = 47.50 cum | |
| | | | | | | 1055.78 cum | |

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 163461

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1.2.. | Providing and laying in position to required level salt glazed stone ware pipe Grade-A | 1 × 50.0 | | | | = 50.0 m | |
| | | 1 × 50.0 | | | | = 50.0 m | |
| | | 1 × 50.0 | | | | = 50.0 m | |
| | | 1 × 50.0 | | | | = 50.0 m | |
| | | 1 × 50.0 | | | | = 50.0 m | |
| | | 1 × 50.0 | | | | = 50.0 m | |
| | | 1 × 50.0 | | | | = 50.0 m | |
| | | 1 × 50.0 | | | | = 50.0 m | |
| | | 1 × 50.0 | | | | = 50.0 m | |
| | | 1 × 50.0 | | | | = 50.0 m | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | | T | 50.0 | | | = 50.0m | |
| | | 1 | 50.0 | | | = 50.0m | |
| | | 1 | 50.0 | | | = 50.0m | |
| | | 1 | 50.0 | | | = 50.0m | |
| | | 1 | 50.0 | | | = 50.0m | |
| | | T | 50.0 | | | = 50.0m | |
| | | 1 | 38.0 | | | = 38.0m | |
| | | T | 50.0 | | | = 50.0m | |
| | | 1 | 50.0 | | | = 50.0m | |
| | | 1 | 50.0 | | | = 50.0m | |
| | | T | 42.0 | | | = 42.0m | |
| | | 1 | 36.0 | | | = 36.0m | |
| | | 1 | 18.0 | | | = 18.0m | |
| | Abbigere Near Anjaneya temple Area. | 1 | 24.0 | | | = 24.0m | |
| | | | | Total length | | 1108.0m | |

C Slip 28/10

EE(D)

C Slip 28/10/13

Rec'd W.K. 29/10/13.

AEE-I/SSD/JDR/62/13-14 Dt 30-11-13

BR 548/13.12.2013

## M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 163462

Serial No. 1st & part.

Name of work. Annual Maintainance of UGD in ward no-12 in S.S.D. From..... To.....

Name of Contractor of nature of Agency. G. Venkatesh (Mahendra Eng works.)

Date of commencement of work. No.EE/DD/WO/75/13-14 Dt- 22/7/13. Est cost:-16.04L Sc:-012-13-000006

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | Measured on 20/11/2013. | | | | | | |
| I-1 | Earth work excavation for foundation of buildings, Water supply sanitary lines and electrical conduits either In pits or in trenches 1.5m and above in width in hard Soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches stacking the excavated with lead up to 50m after breaking of clods complete as per specifications | | | | | | |
| | Qty vide pg no | 163460/2 | of | this M.B. | | 1055.78cum @ 190=00 | Rs- 200598=00 |
| I-2. | Providing and laying in position to required level | | | | | | |

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | or slope 300mm internal diameter Salt glazed Stone ware pipes grade 'A' and jointing with stiff mixture of cement mortar in proportion of 1:1 testing of Pipes and joints, including cost of materials, labour charges complete as per specifications. | | | | | | |
| | Qty vide Pg no 163461/2 of this M.B. | | | | | 1108.0m | |
| | | | | | | @ 600=00 | |
| | | | | | | Rs:- 664800=00 | |
| I-3. | constructing burnt brick masonry circular type manhole 0.91m internal dia at bottom 0.91m deep and 0.56m dia at top with table moulded non-modular bricks of 50 day designation 50 in cement mortar 1:4 inside plastered 12mm thick with cement mortar 1:3 finished concrete M-10 using 40mm and down size granite metal and making necessary chanel in cement concrete. M-50 with 20mm and down size | | | | | | |

Admitted for Rs. 1293356=00
Cheque for Rs. 1145223=00
1481332=00
Executive Engineer
B.B.M.P. Nagarabhavi Division

M.A.R. 57 (Rule 116)

Measurement Book No. C/09 163463

Name of work..... From..... To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | granite metal with SFRC cover and frame (heavy duty HD-20 grade designation) 560mm internal diameter conforming IS 12592 total weight cover and frame to be not less than 182 kg fixed in cement concrete 1:2:4, 20mm and down size broken granite Complete as per specifications. | | | | | | |
| | From Railway Parallel road to 1st cross Gulegara balaga. | 20 Nos | | | | = 20.0 Nos | |
| | Abbigere Govt school Area | 8 Nos | | | | = 8.0 Nos | |
| | | | | | | 28.0 Nos | |
| | | | | | | @ 10500=00 | |
| | | | | | | Rs:- 294000=00 | |

# MEASUREMENT BOOK

| Date | Full description, etc, of work | Dimensions | | | | Contents | Reference to last Measurement |
|---|---|---|---|---|---|---|---|
| | | Number | Length | Breadth | Depth | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| I-7. | Refilling available earth around Pipe lines cables in layers not exceeding 20 cms in depth compacting each deposited layer by ramming after watering with lead upto 50m and lift upto 1.5m complete as per specifications | 1 | × 1108.0 | × 0.70 | × 1.20 = | 930.72 cum @ 54=00 Rs:- 50259=00 | b/d. Pg 50 |
| | Total length vide Pg no 163 461/2 of this M.B. | | | | | | |
| I-B | Disposal of debris lead & lift and as direction by the Engineer incharge of the work | to the final place of disposal with all | | | | 1055.78 cum @ 100=35 Rs:- 105948=00 | 76536 30492 |
| | Qty vide item no (1) | | | | | 98 | 103466 |
| | Total Amount:- | 1315605=00. | | | | 1286966=00 | 1293356=00 |
| | Certificate | | | | | | |
| | 1) certified that contractor has done the work satisfactory | | | | | | |
| | 2) certified that contractor has removed all debris from work spot. | | | | | | |

30.11.13 Rani.N.K. 30/11/2013

Rani.N.K. 30/11/2013.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಇಂಜಿನಿಯರವರು
ಶಿಷ್ಟಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ.
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ